

[Bormans] *Bormans, Jan "MPEG-4 systems need specialized CPUs", Electronic Engineering Times, Jan. 25, 1999; and*

[Visintin] *Visintin, A (ed.), Models of Hysteresis, Longman Scientific & Technical, Harlow, England, 1993.*

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## CLAIMS

1. ~~— A system for the generation of real-time control signals based on at least one incoming control signal, the system comprising at least one control signal generator of one of the following types:  
a low-frequency oscillator  
— a transient generator  
wherein the at least one incoming control signal is used to control events and parameters associated with the at least one control signal generator.~~
  
2. ~~— A method for the generation of real-time control signals based on at least one incoming control signal, the system utilizing at least one control signal generator of one of the following types:  
a low-frequency oscillator  
a transient generator wherein the at least one incoming control signal is used to control events and parameters associated with the at least one control signal generator.~~

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3. ~~\_\_\_\_\_~~ The system of claim 1 wherein all control signals are in the form of MIDI messages.

~~\_\_\_\_\_~~ 4. ~~\_\_\_\_\_~~ The method of claim 2 wherein all control signals employ the form of MIDI messages.

~~\_\_\_\_\_~~ 5. ~~\_\_\_\_\_~~ A method for the processing of real time control signals based on at least one incoming control signal, the system utilizing at least one control signal processor of one of the following types: a numerical operation on the value of the control signal; a numerical operation on the value of at least two control signals, wherein the at least one incoming control signal is used to create at least one new control signal.

6. ~~\_\_\_\_\_~~ The method of claim 5 wherein all control signals employ the form of MIDI messages.